NEW CLAIMS

11. A scan drive assembly for sweeping a light beam across indicia to be electro-optically read, comprising:

a) a stator having a pair of stator portions symmetrically positioned relative to an axis of symmetry;

b) a rotor having a pair of rotor portions symmetrically positioned relative to the axis of symmetry;

c) a pair of elastomeric springs symmetrically positioned relative to the axis of symmetry and extending in mutual parallelism between the stator portions and the rotor portions, the springs, the stator portions and the rotor portions lying in a common plane;

d) a scan mirror mounted on the rotor at one side of the common plane, for reflecting the light beam incident thereon; and

e) a drive including a permanent magnet mounted on the rotor at an opposite side of the common plane, for moving the rotor and the scan mirror about an axis of oscillation which extends perpendicular to the axis of symmetry.

12. The assembly of claim 11, wherein the springs are leaf springs.

13. The assembly of claim 11, wherein each stator portion and each rotor portion has an aperture in which opposite ends of each spring are received.

14. The assembly of claim 11, wherein the springs are constituted of an overmolded material.

15. The assembly of claim 11, wherein mirror is positioned at the axis of oscillation.

16. The assembly of claim 11, wherein the magnet is positioned at the axis of oscillation.

17. The assembly of claim 11, wherein the rotor has a mounting portion inclined at an inclination angle of 45° relative to the common plane, and wherein the mirror is adhered to the mounting portion.

18. The assembly of claim 11, wherein the stator includes a pair of bracket arms symmetrically positioned relative to the axis of symmetry.

19. The assembly of claim 11, wherein the rotor includes a counterweight situated between the springs.

20. The assembly of claim 11, wherein the mirror and the magnet are situated between the springs.